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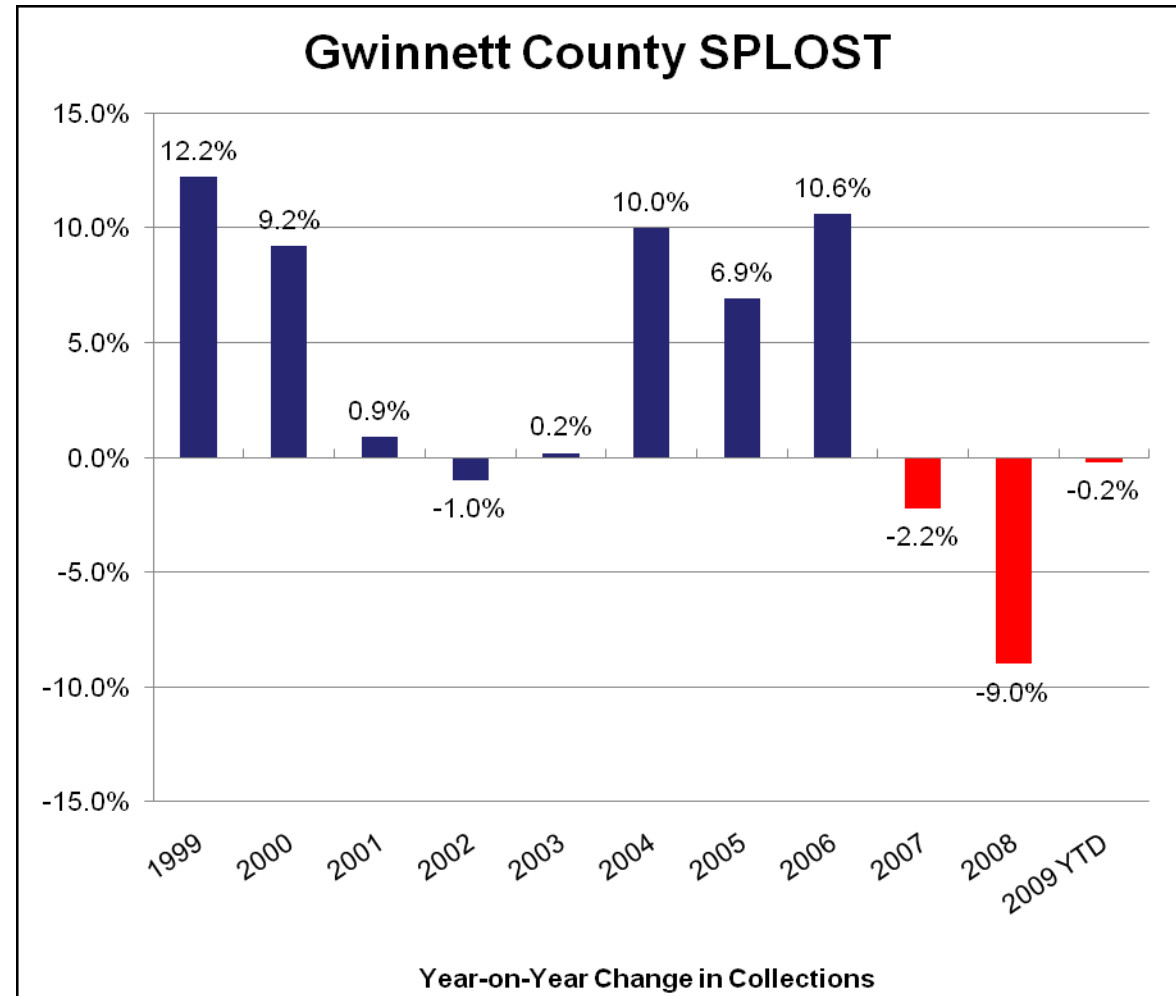
**An Evaluation and Analysis
Tool for Managed Lanes**

Fall 2009



Local Funding Picture

- Construction costs trending downward
- Sales tax receipts trending downward as well



Source: Gwinnett County, GA 2009 Mid-Year Financial Update



- SAFETEA-LU provided \$286B over the last 5 years for highway, transit, and safety programs
- Triple the current rate of investment over 50 years to upgrade systems to a state of good repair



Toolbox for Bridging the Funding Gap

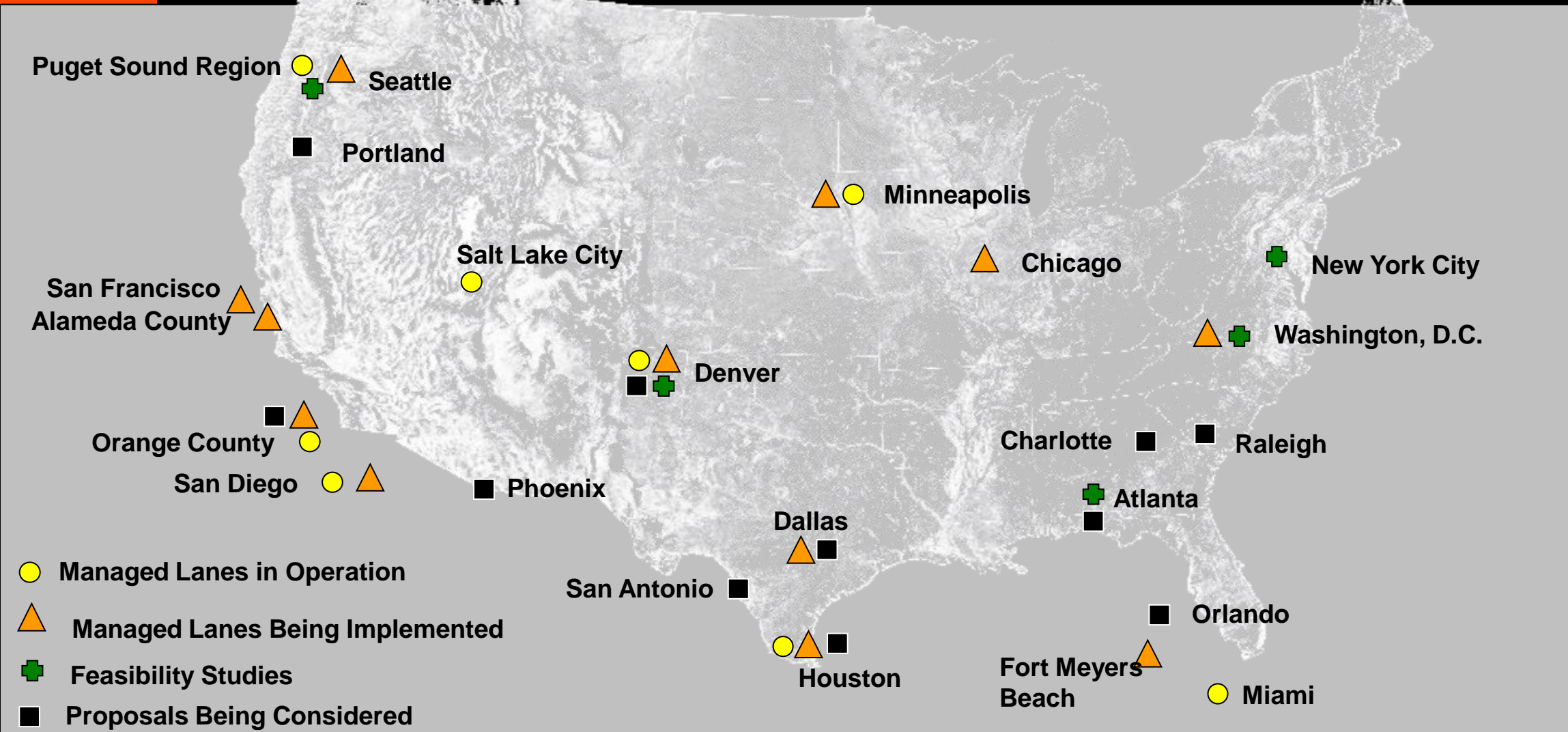
- Earmarks
- SPLOST
- Bonds
- TIFIA
- Public-Private Partnerships (P3)
- Tolling/Pricing



SR 91 HOT Lanes in Orange County, CA

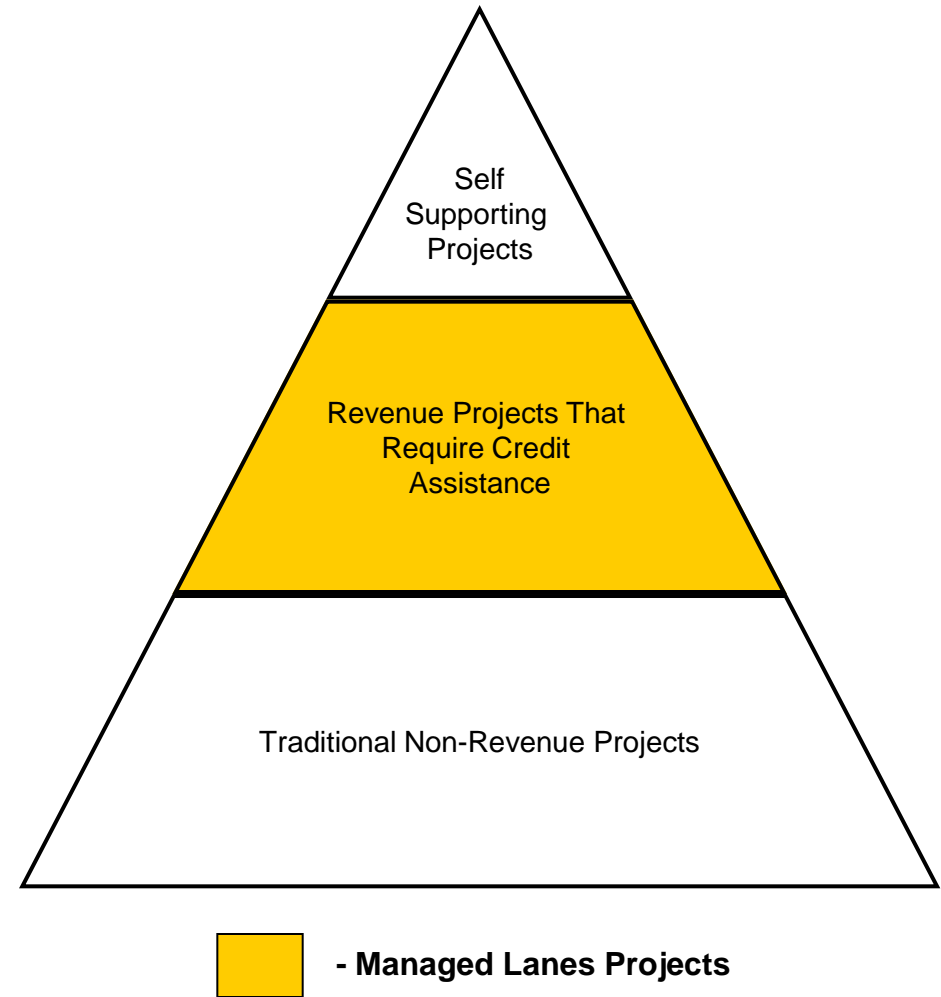


Managed Lanes National Experience



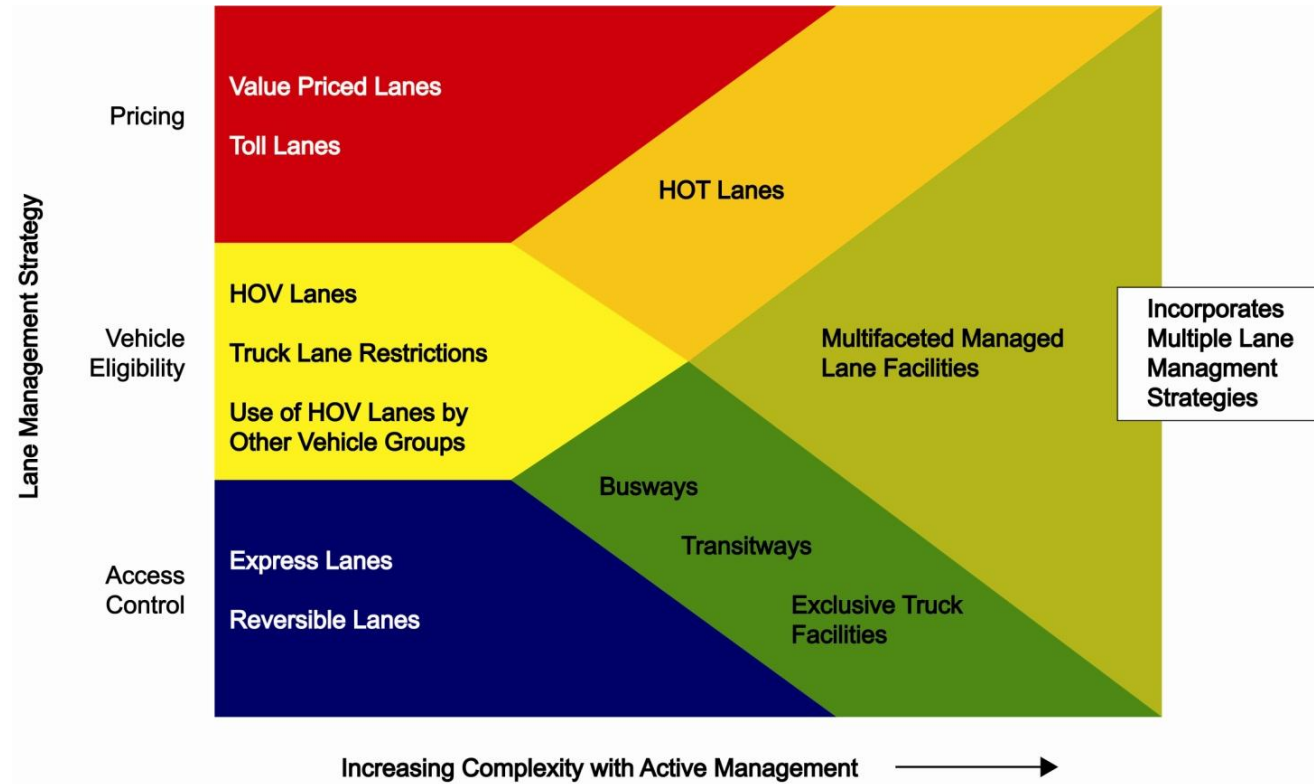
Managed Lanes Overview

- Managed lanes defined
- Managed lanes are one part of an overall regional mobility strategy
- Priced managed lanes typically do not pay for themselves



Managed Lanes Overview

- Corridor focus vs. system analysis
- GDOT's Managed Lanes System Plan for Atlanta Region
- Traffic and revenue analysis
- Financial analysis



Managed Lanes Analysis

REVENUE DRIVERS

HOT2+, HOT3+, HOT4+ vs. ETL vs. METL vs. TOT

Maximum revenue vs. Maximum efficiency

Reversible vs. Bi-Directional

GP Lanes Remain vs. GP Lane Conversion

Laneage

Full Access vs. Optimized Access

Delayed vs. Base vs. Accelerated Growth

Willingness to Pay (Cars): Lower – Base- Higher

Willingness to Pay (Trucks): Lower – Base- Higher

Transit Frequency

Alternate/Competing Transportation investments

HOV Formation Rates

General Purpose Lane Speed

COST DRIVERS

System Termini

Reversible vs. Bi-Directional

At Grade vs. Elevated

Elevated: East/South side vs. West/North side vs. Median

Laneage

Barrier vs. Buffer

Full Reconstruction vs. Overlay

GP Lanes Remain vs. GP Lane Conversion

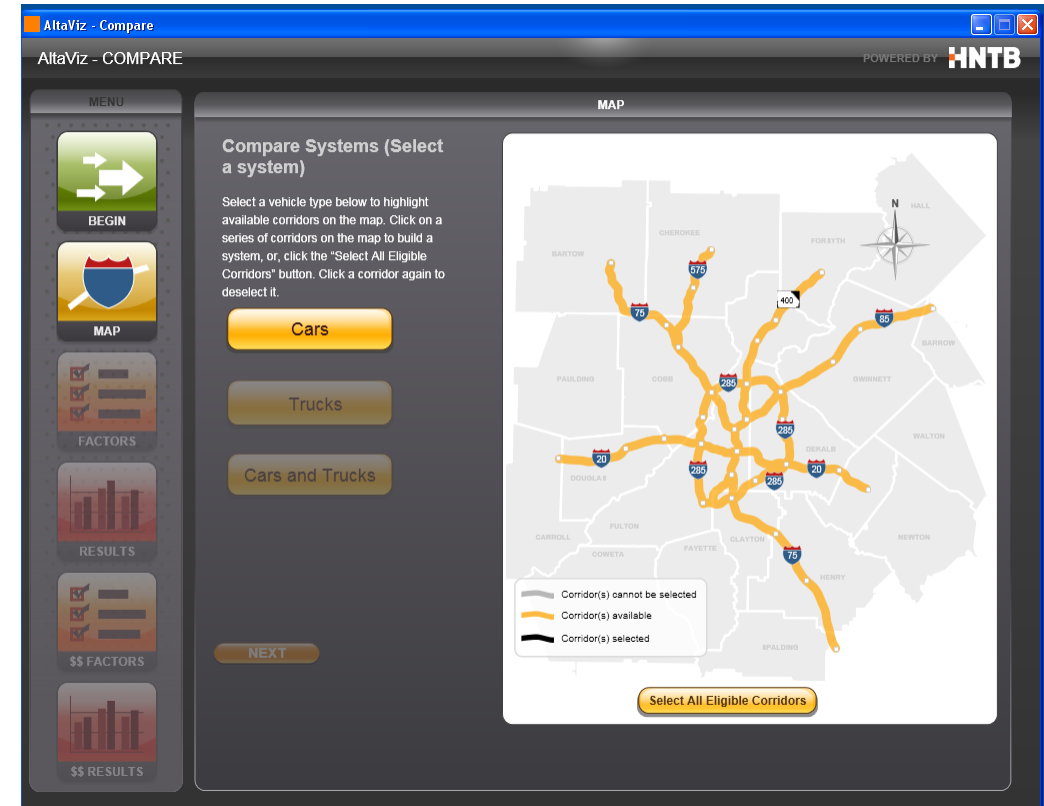
Full Access vs. Optimized Access

Design Exceptions



Evaluation and Analysis Tool

- AltaVIZ - COMPARE
- Consolidate a wealth of data
- Efficient communication of results
- Ability to perform side-by-side comparison of alternatives



An Evaluation and Analysis Tool for Managed Lanes

Questions?

